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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets necessary)

COMPLETE IF KNOWN

Application Number	09/929,295
Filing Date	August 13, 2001
First Named Inventor	Ho et al.
Group Art Unit	2621
Examiner Name	Unknown
Docket Number	EYEM1360

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
✓	1	4,725,824		Yoshioka	02/16/88	
✓	2	4,805,224		Koezuka et al	02/14/89	
✓	3	4,827,413		Baldwin et al.	05/02/89	
✓	4	5,159,647		Burt	10/1992	
✓	5	5,168,529		Peregrin et al	12/01/92	
✓	6	5,187,574		Kosemura et al.	02/16/93	
✓	7	5,220,441		Gerstenberger	06/15/93	
✓	8	5,280,530		Trew et al	01/1994	
✓	9	5,333,165		Sun	07/26/94	
✓	10	5,383,013		Cox	01/17/95	
✓	11	5,430,809		Tomitaka	07/04/95	
✓	12	5,432,712		Chan	07/11/95	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
✓	13	DE	4406020	C1				No
✓	14	EP	0807902	A2	Cyberclass Limited	11/1997		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁵
✓	15	International Search Report for PCT/US99/07935	
✓	16	Akimoto, T., et al., "Automatic Creation of Facial 3D Models", IEEE Computer Graphics & Apps., pp.16-22, Sept. 1993.	
✓	17	Ayache, N. et al., "Rectification of Images for Binocular and Trinocular Stereovision", Proc. Of 9th Int'l. Conference on Pattern Recognition, 1, pp. 11-16, Italy, 1988.	
✓	18	Belhumeur, P., "A Bayesian Approach to Binocular Stereopsis", Int'l. J. Of Computer Vision, 19 (3), Pp.237-260, 1996.	
✓	19	Beymer, D. J., "Face Recognition Under Varying Pose", MIT A.I. Lab. Memo No. 1461, pp. 1-13, 12/93.	
✓	20	Beymer, D.J., "Face Recognition Under Varying Pose", MIT A.I. Lab. Research Report, 1994, pp. 756-761.	
✓	21	Buhmann, J. et al., "Distortion Invariant Object Recognition By Matching Hierarchically Labeled Graphs", In Proceedings IJCNN Int'l Conf. Of Neural Networks, Washington, D.C. June 1989, pp. 155-159.	
✓	22	DeCarlo, D., et al., "The integration of Optical Flow and Deformable Models with Applications to Human Face Shape and Motion Estimation", pp. 1-15, In Proc. CVPR '96, pp. 231-238 (published) [TM 18.9.96].	
✓	23	Devemay, F. et al., "Computing Differential Properties of 3-D Shapes from Stereoscopic Images without (3-D) Models", INRIA, RR-2304, pp. 1-28, Sophia, Antipolis, 1994.	
✓	24	Dhond, U., "Structure from Stereo: a Review", IEEE Transactions on Systems, Man, and Cybernetics, 19(6), pp.1489-1510, 1989.	

Examiner Signature

Date Considered

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Substitute for form 1449A/PTO		COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary) OCT 21 2002 SHEET 2 OF 4		Application Number	09/929,295
		Filing Date	August 13, 2001
		First Named Inventor	Ho et al.
		Group Art Unit	2621
		Examiner Name	Unknown
		Docket Number	EYEM1360

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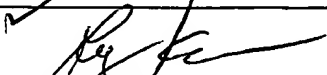
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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (If known)			
X	25	5,511,153		Azarbayejani et al.	04/23/96	
X	26	5,533,177		Wirtz et al.	07/02/96	
X	27	5,550,928		Lu et al.	08/1996	
X	28	5,581,625		Connell	12/1996	
X	29	5,588,033		Yeung	12/24/96	
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X	32	5,714,997		Anderson	02/03/98	
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X	45	6,052,123		Lection et al.	04/2000	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
X	46	Fleet, D.J., et al., "Computation of Component Image Velocity from Local Phase Information", <i>Int. J. Of Computer Vision</i> , 5:1, pp. 77-104 (1990).	
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X	48	Hall, E.L., "Computer Image Processing And Recognition", Academic Press 1979, 99, 468-484.	
X	49	Hong, H., et al., "Online Facial Recognition based on Personalized Gallery", <i>Proceedings of Int'l Conference On Automatic Face And Gesture Recognition</i> , pp. 1-6, Japan April 1997	
X	50	Kolocsai, P., et al, "Statistical Analysis of Gabor-Filter Representation, <i>Proceedings of International Conference on Automatic Face and Gesture Recognition</i> , 1997, 4 pp.	
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X	52	Kruger, N., et al, "Principles of Cortical Processing Applied to and Motivated by Artificial Object Recognition", <i>Institut fur Neuroinformatik, Internal Report 97-17</i> , Oct. 97, pp. 1-12.	
X	53	Kruger, N., et al, "Autonomous Learning of Object Representations Utilizing Self-Controlled Movements", 1998, <i>Proceedings of NN98</i> , 5 pp.	

Examiner Signature		Date Considered	5/27/04
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<p>Substitute for Form 1449A/PTO</p> <p>INFORMATION DISCLOSURE</p> <p>STATEMENT BY APPLICANT</p> <p>(use as many sheets necessary)</p> <p>SHEET 2 OF 4</p> <p>TRADEMARK OFFICE</p>		COMPLETE IF KNOWN		RECEIVED	
		Application Number	09/929,295		
		Filing Date	August 13, 2001		OCT 22 2002
		First Named Inventor	Ho et al.		
		Group Art Unit	2621		Technology Center 2600
		Examiner Name	Unknown		
		Docket Number	EYEM1360		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
K	54	Kruger, N., et al, "Object Recognition with a Sparse and Autonomously Learned Representation Based on Banana Wavelets", <i>Internal Report 96-11</i> , Institut fur Neuroinformatik, Dec. 96, pp. 1-24.	
K	55	Kruger, N., et al, "Object Recognition with Banana Wavelets", <i>European Symposium on Artificial Neural Networks (ESANN97)</i> , 1997, 6 pp.	
K	56	Kruger, N., "An Algorithm for the Learning of Weights in Discrimination Functions Using a priori Constraints", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , Vol. 19, No. 7, July 1997, pp. 764-768.	
K	57	Lades, M., et al, "Distortion Invariant Object Recognition in the Dynamic Link Architecture", <i>IEEE Transactions on Computers</i> , Vol. 42, No. 3, 1993, 11 pp.	
K	58	Luong, Q. T., et al, "The Fundamental Matrix, Theory, Algorithm, and Stability Analysis", <i>INRIA</i> , 1993, pp. 1-46.	
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K	60	Mauer, T., et al, "Single-View Based Recognition of Faces Rotated in Depth", <i>In Proceedings of the International Workshop on Automatic Face and Gesture Recognition</i> , pp. 248-253, Zurich, CH, June 26, 1995.	
K	61	Mauer, T., et al, "Learning Feature Transformations to Recognize Faces Rotated in Depth", <i>In Proceedings of the International Conference on Artificial Neural Networks</i> , Vol. 1, pp. 353-358, Paris, France, October 9-13, 1995.	
K	62	Mauer, T., et al, "Tracking and Learning Graphs and Pose on Image Sequences of Faces", <i>Proceedings of 2nd International Conference on Automatic Face and Gesture Recognition</i> , October 14-16, 1996, pp. 176-181.	
K	63	Maybank, S. J., et al, "A Theory of Self-Calibration of a Moving Camera", <i>International Journal of Computer Vision</i> , 8(2), pp. 123-151, 1992.	
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K	67	Peters, G., et al, "Learning Object Representations by Clustering Banana Wavelet Responses", <i>Tech. Report IR-INI 96-09</i> , Institut fur Neuroinformatik, Ruhr Universitat, Bochum, 1996, 6 pp.	
K	68	Phillips, P. J., et al, "The Face Recognition Technology (FERET) Program", <i>Proceedings of Office of National Drug Control Policy, CTAC International Technology Symposium</i> , August 18-22, 1997, 10 pages.	
K	69	Pighin, F., et al, "Synthesizing Realistic Facial Expressions from Photographs", <i>In SIGGRAPH 98 Conference Proceedings</i> , pp. 75-84, July 1998.	
K	70	Roy, S., et al, "A Maximum Flow Formulation of the N-Camera Stereo Correspondence Problem", <i>IEEE, Proceedings of International Conference on Computer Vision</i> , Bombay, India, Jan. 1998, pp. 1-6.	
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K	72	Sara, R. et al "Fish-Scales: Representing Fuzzy Manifolds", <i>Proceedings International Conference Computer Vision, ICCV '98</i> , pp. 811-817, Bombay, Jan. 1998.	
K	73	Sara, R., et al, "On Occluding Contour Artifacts in Stereo Vision", <i>IEEE, Proceedings of International Conference Computer Vision and Pattern Recognition</i> , Puerto Rico, 1997, 6 pp.	
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Examiner Signature		Date Considered	11/17/04
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		Group Art Unit	2621
		Examiner Name	Unknown
		Docket Number	EYEM1360
SHEET 4 OF 4		RECEIVED OCT 22 2002 Technology Center 2600	

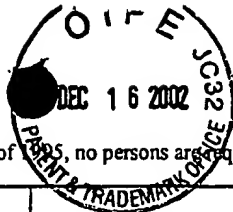
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Examiner Signature	<i>[Signature]</i> ✓	Date Considered	✓ 5/27/04
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				Group Art Unit	2621
				Examiner Name	Unknown
SHEET	1	OF	1	Docket Number	EYEM1360

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✓		6,011,562		Gagné	01-04-2000	

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
✓		PCT	WO99/53443		Eyematic Interfaces, Inc.	10-21-1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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✓		Notification of Transmittal of the International Search Report or the Declaration, International Search Report for PCT/US02/23973, mailed 18 November 2002	
✓		VALENTE, Stephanie et al., "A Visual Analysis/Synthesis Feedback Loop for Accurate Face Tracking", Signal Processing Image Communication, Elsevier Science Publishers, Vol. 16, No. 6, February 2001, pages 585-608	
✓		YANG, Tzong Jer, "Face Analysis and Synthesis", June 1, 1999, Retrieved from Internet, http://www.cmlab.csie.ntu.edu.tw/ on 25 October 2002, 2 pg.	
✓		YANG, Tzong Jer, "VR-Face: An Operator Assisted Real-Time Face Tracking System", Communication and Multimedia Laboratory, Dept. of Computer Science and Information Engineering, National Taiwan University, June 1999, pgs.1-6	

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Examiner Signature	<i>[Signature]</i>	Date Considered	✓ 5/18/04
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